



U.S. Army Corps
of Engineers
Seattle District

Centralia Flood Damage Reduction Project Chehalis River, Washington FINAL ENVIRONMENTAL IMPACT STATEMENT

**Appendix D:
Hazardous, Toxic, and Radioactive Waste
June 2003**

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Introduction

A limited preliminary assessment and site investigation was conducted in April 2002 (Hart Crowser 2002b). The purpose of the limited site assessment was to facilitate early identification and appropriate consideration of hazardous and toxic waste (HTRW) concerns in the reconnaissance; feasibility; preconstruction engineering; and maintenance, repair, replacement, and rehabilitation phases of the flood control project. The main objectives were to:

- Determine priority sites based on historical site use information, Washington State Department of Ecology (Ecology) records, and the location of the preferred flood reduction alternatives where the potential contamination warrants further investigation.
- Determine presence or absence of shallow soil contamination using biased sampling based on professional judgment, at the priority sites;
- Determine whether further remedial investigation and/or remedial action are needed for the priority sites, based on sample analytical results; and
- Assess the potential for encountering contaminated soils at the project mitigation and restoration sites, based on a literature search, and recommend further investigation if warranted.

Priority Site Screening

Potential sites of concern along the proposed levee were identified in the Management Plan, Limited Preliminary Assessment/Site Investigation, Centralia Flood Damage Reduction Project (Hart Crowser 2002a), and were further screened to select priority sites for sampling. Prioritization of sites with potential contamination was conducted based on three criteria:

- Proximity to the proposed levee;
- Location relative to Interstate 5; and
- Whether a UST has been reported as leaking.

A field inspection and review of Ecology files completed the site screening. As this was a limited preliminary assessment only surface and near-surface soils were investigated in this preliminary assessment. Sites outside a 1,500-meter range of the proposed levee were screened out.

The levee will run along Interstate 5 for much of the preferred alternative. As such, sites that are separated from the levee by Interstate 5 were screened out. Sites separated from the levee by Interstate 5 have likely not impacted surface soils that will be disturbed as part of the project.

Underground storage tanks make up a majority of the Ecology sites identified in Appendix A in the Management Plan (Hart Crowser 2002). A distinction was made between those sites that are classified as leaking underground storage tank (LUST) facilities versus UST facilities. The final short list of sites included LUST facilities only.

The criteria reviewed above resulted in a short list of roughly 40 sites. A field inspection was conducted on February 26, 2002, to assess sites on the short list. The field visit also allowed for identification of other sites of concern. Many sites were removed from the short list based on their distance from the proposed levee.

Ecology files were reviewed for the priority sites on March 4, 2002. Sites researched at Ecology included King Solomon's Restaurant (Ecology ID 21786936), Chevron 96942 (ID Ecology 17551864), Borst Park BP/Unocol No 4722 (Ecology ID 6436724), Chehalis-Centralia Airport (Ecology ID 1165 and 13278945), Riverside Country Club (Ecology ID 6625224), Yard Birds, Inc. (Ecology ID 79541547), and Columbia Harbor Lumber Company (Ecology ID 85236989).

Review of the Ecology UST and LUST List located the following sites Kresky & National Ecology (ID 3636227), Blakely & Hout, Inc. (Ecology ID 17622528), and Texaco 631570018 Ecology (ID 13967986). The sites of concern were used to define the areas of concern. Table B-1 presents the priority sites identified for sampling.

Selected Sites

The screening process resulted in ten areas of concern:

- Fords Prairie
- Fort Borst Park
- China Creek Bridge Area
- Salzer Creek Bridge Area
- Chehalis-Centralia Airport
- Dillenbaugh Creek
- Coal Creek Triangle
- Salzer Creek Flats
- SR 6 Excavation Area

Due to lack of right of entry, four areas were not sampled: Fords Prairie, Fort Borst Park, Coal Creek Triangle, and Salzer Flats. Additionally, after submission of the work plan, design plans changed such that pump stations are no longer going to be installed along China Creek and Salzer Creek east at Interstate 5.

Fords Prairie

The northern section of the proposed levee extends across Fords Prairie (Figure __) where the primary land uses are residential, farming, and pasture. No known HTRW sites are located in this area, although contamination may be present due to agricultural practices.

Based on historical and current land use, the only potential contaminants of concern (COCs) are TPH, pesticides, and herbicides.

Fort Borst Park

Fort Borst Park is located south of Harrison Avenue and between Belmont Avenue and Interstate 5 (Figure _). The main HTRW concerns in this area are stormwater runoff from Interstate 5 and leaking underground storage tanks and product lines. The Borst Park BP/Unocal No. 4722 (Ecology ID 6436724) is another concern in this area. Leaking underground storage tanks and product lines were removed from the site in 1991 (RZA AGRA 1992). New USTs were installed in 1994 with the construction of the present service station (GeoEngineers 1995). Excavation and relocation of potentially contaminated soils during construction are of concern. Potential COCs associated with USTs and storm water runoff are total petroleum hydrocarbon (TPH; gas, diesel, oil), polycyclic aromatic hydrocarbons (PAHs), and metals.

China Creek Bridge Area

The Centralia Sewage Treatment plant is located on the west side of the highway south of China Creek. The treatment plant is expected to be relocated in the future, when Interstate 5 is widened. The Old Centralia Landfill north of the treatment plant is considered by Ecology to be a potentially contaminated site. Since there were few or no controls on material dumped in the landfill, potential contaminants include TPH (oil), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, and metals. The current levee alignment will avoid the landfill. However, the levee will cross immediately southeast of the landfill. As Interstate 5 bisects the site, stormwater runoff from the highway is also of concern. Potential COCs associated with USTs and stormwater runoff includes TPH (gas, diesel, oil), PAHs, and metals.

Previous alternatives proposed a pump station at China Creek at Interstate 5. The current preferred alternative calls for flap gates to be installed at China Creek.

Salzer Creek Bridge Area

A pump station was planned where Salzer Creek intersects Interstate 5 as shown on Figure _. However, the current alternative calls for flap gates to be installed instead. No HTRW sites have been identified in this area and agriculture is the primary land use in the area. Potential COCs included TPH, metals, PAHs, pesticides, and herbicides based on land use and proximity to Interstate 5.

Chehalis-Centralia Airport

The Chehalis-Centralia Airport (Ecology ID 1165 and 13278945) is located on the east side of the proposed levee between Chehalis and Centralia. Leaking USTs are of central

concern at the site. A Complaint Investigation Report was filed by Ecology in October 1991. The file states that aviation fuel was forced from one of the USTs during a flood in January 1990. This tank and two others were removed from the site in 1991 with 425 cubic yards of contaminated soil. The main contaminant associated with USTs is TPH (aviation gasoline), VOCs (benzene, toluene, ethylbenzene, and xylene [BTEX]), and lead.

Today the airport is still operable and surfaces are paved or grass covered. Drainage ditches and other soils impacted by stormwater runoff are of concern. Potential contaminants in areas impacted by stormwater runoff include TPH, PAHs metals, and, where crop dusting has been performed, pesticides and herbicides.

Dillenbaugh Creek

The proposed relocated section of Dillenbaugh Creek is a broad meandering channel east of Stan Hedwall Park. No HTW sites are located within this section of Dillenbaugh Creek. Agriculture and sediment contamination from upstream sources are of primary concern in the area. Located west of Interstate 5, stormwater runoff from the highway is also a concern. Contaminants associated with agriculture and stormwater runoff include TPH, PAHs, metals, pesticides, and herbicides

Coal Creek Triangle

This area is located downstream of where Coal Creek flows into the Chehalis River valley (Figure _). Land use is primarily commercial and industrial, with LUSTs the primary concern. A site visit behind the building at 1685 North National Avenue indicated the possibility of a tank removal. Based on the addresses listings for Kresky & National (Ecology ID 3636227) and Blakely & Hout (Ecology ID 7391498), either site may be related to the pavement patches observed on site. These sites are LUST and UST facilities, respectively. Review of the UST and LUST lists indicates tanks were removed at both locations. Based on the industrial nature of the area and reported USTs, COCs are TPH, VOCs, PCBs, and metals.

Salzer Creek Flats

Salzer Creek Flats refers to the proposed levee north of Salzer Creek (Figure _). Land use includes commercial, residential, and farming. A site visit revealed a previously unidentified diesel UST east of 3000 Kresky Avenue at the end of Centralia Avenue. Farm equipment at the same site also had a small oil spill associated with it. Contaminants associated with this location include TPH, PAHs, and metals.

Most of the commercial activity is located west of Kresky Avenue and the proposed levee. Reported LUSTs in this area are not of concern at this time, as they are located over 500 feet from the levee, much of which is paved. A salvage yard is located at State Street and Pacific Avenue, which is one block away from the proposed levee. Potential

COCs that may be associated with the auto salvage yard include TPH, VOCs, PAHs, PCBs, and metals.

A ditch drains both the large open area adjacent to the proposed levee, and surface water runoff from nearby roads. Potential COCs based on stormwater runoff and possible agricultural use include TPH, PAHs, metals, pesticides, and herbicides.

State Route 6 Excavation Area

The proposed SR 6 excavation area is shown on Figure __. Approximately 250,000 cubic yards of material would be excavated north and south of SR 6. There were no HTRW sites identified in this area. The primary land uses are farming and pasture. The COCs for this area north of SR 6 are pesticides and herbicides. However, a truck maintenance yard (BTI Trucking) and a gas station are located south of SR 6 immediately west of the proposed excavation. Based on the industrial nature of this area, COCs are TPH, VOCs, and metals.

Soil Screening Criteria

Soil concentrations of potential contaminants of concern were compared to Ecology MTCA Method B (Ecology 2001) direct contact pathway (ingestion only for unrestricted land use. The following analytes were screened against Method A criteria because no Method B criteria have been established: arsenic; lead; methyl-tertiary butylether (MTBE); tetrachloroethene (PCE); polychlorinated biphenyls (PCBs); and petroleum hydrocarbons.

Field Activities

Procedures and methods used to collect soil and sediment samples at each of the selected sites are presented in the Management Plan (Hart Crowser). Site investigations were limited to shallow surface soil hand-auger borings, 6 – 12 inches deep. Shallow samples were collected and submitted for analysis, as concentrations of potential chemicals of concern, if present from historical site activities or road runoff, would be highest near the surface. In general, this is the depth that would be disturbed by construction of an earthen levee. If additional work were to be done, such as construction of a floodwall, then additional studies would be conducted. The first 6 inches of soil from each boring were discarded before the sample was collected, homogenized, and placed into a precleaned sample container. Samples collected for volatile organic analysis were collected using EPA Method 5035 (Encore-type sampler) and placed directly into sample containers without homogenization. Sampling equipment and personal protective equipment was decontaminated or replaced prior to each use.

Nature and Extent of Contamination

Ten areas of concern were identified for sampling and further characterization. Samples were collected from only five of these areas since access agreements could not be obtained for all sites prior to field activities. Areas that were sampled include:

- China Creek Bridge Area
- Salzer Creek Bridge Area

- Chehalis-Centralia Airport
- Dillenbaugh Creek Relocation Area
- State Route 6 Excavation Area

China Creek Bridge Area

One sample and a field duplicate were collected in an area on the west side of Interstate 5 just north of China Creek, and adjacent to the Old Landfill. The samples were submitted for analysis for diesel- and heavy oil-range hydrocarbons, priority pollutant (PP) metals, polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), chlorinated pesticides, and herbicides.

Diesel – and heavy oil-range hydrocarbons were detected in one sample. Concentrations were less than MTCA Method A soil screening levels and results indicated that either the hydrocarbons have been extensively weathered or that they are due to naturally occurring, biogenic plant material. Although 14 PAHs were detected in the SVOC analysis, concentrations were below MTCA Method B soil screening levels.

Nine priority pollutant metals (beryllium, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc) were detected. Cadmium, lead, mercury, and zinc concentrations were elevated above reported natural background levels, but analyte concentrations were below MTCA Method B soil screening levels.

Only Aroclors 1254 and 1260 were detected at concentrations exceeding the MTCA Method A soil screening value of 1.0 mg/kg for total PCBs.

Salzer Creek Bridge Area

Two soil samples were collected from both sides of Salzer Creek west of Interstate 5 and analyzed for diesel- and heavy oil-range hydrocarbons, PP metals, PAHs, chlorinated pesticides, and herbicides. Only trace levels of PAHs were detected and concentrations were below the laboratory quantitation limit and MTCA Method B soil screening criteria. Low concentrations of the priority pollutant metals, except antimony and arsenic, were detected in samples. Concentrations for metals were below MTCA Method B soil screening criteria. Neither chlorinated pesticides nor phenoxy herbicides were detected in any samples.

Chehalis-Centralia Airport

Eleven samples, including two field duplicates were collected from this site. Soil samples were collected in the vicinity of the hangers to characterize potential contamination from fuel leaks and from a ditch that receives runoff from the parking area and runway. The remaining samples were collected within 15 feet of the base of the current levee. Samples were also collected from the airport side of the berm and between Airport Road and the berm.

Samples were analyzed for diesel-, heavy oil- and gasoline-range hydrocarbons, PP metals, VOCs, PAHs, chlorinated pesticides and herbicides.

Diesel- and/or heavy oil-range hydrocarbons were reported. Results suggest that either the hydrocarbons have been extensively weathered or that they are due to naturally occurring, biogenic plant material. Concentrations were below MTCA Method A soil screening criteria. Arsenic, cadmium, copper, lead, and zinc concentrations were typically slightly elevated above background levels but below MTCA Method B soil screening levels. Low concentrations of VOCs acetone, 2-butanone, benzene, and toluene were detected but concentrations were below MTCA Method B soil screening levels. Heptachlor epoxide was the only pesticide detected in any sample. At 2.6 ug/kg, concentration was below the MTCA soil screening level of 110 ug/kg. Phenoxo herbicides were not detected in any samples.

Dillenbaugh Creek Relocation Area

Five locations were sampled along the creek channel and submitted for analysis for diesel- and heavy oil-range hydrocarbons, PP metals, PAH, chlorinated pesticides, and herbicides. Diesel- or heavy oil-range hydrocarbons were detected in any samples. Low concentrations of PP metals, except antimony and arsenic, were detected, but concentrations of metals were below MTCA Method B soil screening criteria. PAHs, chlorinated pesticides, and phenoxo herbicides were not detected in any of the samples collected from the Dillenbaugh Creek area.

State Route 6 Excavation Area

Soil samples were collected to characterize possible impacts from the primary land uses of farming and pasture. Sample locations were also chosen to establish whether the gas station to the west has impacted the surface soil and to assess impacts from SR 6. The potential contaminants of concern analyzed for at this location were diesel- and heavy oil-range hydrocarbons, PP metals, VOCs, and PAH, chlorinated pesticides and herbicides.

Motor oil-range hydrocarbons were reported in two of the samples. Results suggest that either the hydrocarbons have been extensively weathered or that they are due to naturally occurring, biogenic plant material. Concentrations were below MTCA Method A soil screening criteria. Up to eight PP metals were detected with cadmium, copper, lead, and zinc concentrations elevated above reported background levels but below MTCA Method B soil screening criteria. Acetone and benzene were present at concentration below MTCA Method B soil screening levels. Chlorinated pesticides and phenoxo herbicides were not detected in any samples.

Restoration and Mitigation Sites

Characterization of the mitigation and restoration sites included review of Corps documents, the Ecology HTRW Site List, and field inspection. Locations of the sites are illustrated on Figure __. The following observations were made:

Mainstream Chehalis at SR 6 Oxbow (Site 1). This oxbow is located just south of the SR 6 excavation area. Areas of concern include the Chevron gas station and BTI Trucking located at the intersection of SR 6 and Heden Road. Farming and agriculture were observed for much of the area. Although contamination may also be present from these practices, no obvious sources of HTRW exist to prompt sampling.

Mainstream Chehalis at Scheuber Ditch (Site 2). Located north of SR 6, the primary land use along Scheuber Ditch is agriculture and pasture. A large feedlot was observed near the ditch in

the interior of the site. These practices are a potential source of contamination, but similar to Site 1, no obvious sources of HTRW exist. Therefore, sampling is not recommended.

Mainstream Chehalis Oxbows (Site 3). Both oxbows are located on the west side of Airport Road. Agriculture and pasture are the primary land uses associated with the northern oxbow. The southern oxbow is located in a golf course. No priority sites are located within the restoration site. Contamination may be present due to agricultural practices and golf course maintenance. However, upon field inspection, no obvious signs of contamination exist. Therefore, sampling is not recommended.

Confluence of Skookumchuck and Chehalis Rivers (Site 5). Fort Borst Park comprises some of the area to be restored on Site 5. Residential land and farms were observed south of the Chehalis River. No priority sites are located within this site. Although constituents of concern may be present due to agricultural practices, no obvious signs of HTRW were present. Sampling is not recommended.

Skookumchuck River at RM12 (Site 6). Pasture and farmland were the primary land use observed along the Skookumchuck River. Agricultural practices are a potential source of contamination; however, no signs of HTRW were observed. Sampling is not recommended.

Confluence of South Fork Chehalis and Chehalis Rivers (Site 8). The railroad and SR 6 cross the South Fork Chehalis at Site 8. Runoff from SR 6 and herbicides used by the railroad are notable. Dead bushes were observed on both sides of the railroad tracks. No potential for HTRW was identified on site requiring further investigation.

Newaukum River at Stan Hedwall Park (Site 10). Concrete and asphalt debris were observed as part of the berm used to construct the roadway. The debris was noted in several locations along the length of the interior road. Sampling of the debris for HTRW is recommended prior to construction.

Confluence of North and South Forks of Newaukum River (Site 12). Farming and pasture are the primary land uses on Site 12. Stored farm equipment and a private garage were observed on the east side of the North Fork of the Newaukum River. Nothing significant was observed on site. No further sampling is recommended.

Middle Fork of Newaukum River (Site 13). Site 13 is forested with dense undergrowth. The site appeared to be of a nearly pristine river. No potential sources of contamination were observed during the field visit. Therefore, no sampling is recommended.

North Fork of Newaukum River (Site 14). The North Fork of the Newaukum River, west of Tauscher Road, is used for farming and pastureland. Residences are located above the riverbanks. Nothing of significance was observed on site. No further sampling is recommended.

Salzer Creek and Chehalis River Confluence (Site 15). Located on the Frozen Foods property, agriculture is the primary land use. No priority sites are located within this site. No signs of HTRW were noted upon inspection; therefore, no sampling is recommended.

Salzer Creek, Frozen Foods Site (Site 16). Located east of the railroad and Interstate 5, the present land use is farm and pasture. Partially covered by grass, a mound of metal and concrete debris was observed north of the proposed creek alignment. Vegetative cover makes it difficult to estimate the extent of the debris mound; however, it occupies most of the inside of the meander bend. The mound also lies within the proposed channel of the creek realignment. Further sampling of the debris mound is recommended for evaluation of HTRW.

Conclusions and Recommendations

Soil concentrations of potential chemicals of concern were compared to Ecology MTCA Method A or Method B human-health, risk-based criteria for the direct contact pathway (ingestion only) for unrestricted land use. The chemical concentrations for all potential contaminants were below MTCA criteria except for total PCBs in one sample collected at the China Creek Bridge Area, which had a concentration of 2.08 mg/kg compared to the criterion of 1.0 mg/kg. As the levee footprint does not intrude into this area and activity will be limited to flap gates, no further action is planned at this site.

Recent modifications to the levee design include constructing levees along the Skookumchuck River. These alterations were made after the preliminary assessment was conducted and therefore were not included in this assessment.

Once access agreements are obtained, it is recommended that the following additional areas of potential concern be sampled:

- Fords Prairie
- Fort Borst Park
- Coal Creek Triangle
- Salzer Creek Flats
- Skookumchuck River

Review and field inspection of 13 Restoration and Mitigation Sites indicated that the majority of them do not require further investigation. However, upon inspection the Newaukum River at Stan Hedwall Park site (Site 10) and Salzer Creek, Frozen Foods Site (Site 16) should be evaluated for potential further investigation before planned actions are taken as debris was identified at both of these sites and may indicate illegal disposal of potentially hazardous materials.

Table 1: Short List of Ecology Facility Sites for the Preliminary Site Assessment

Site	Ecology Site ID	Site Concern
Fords Prairie Site passed preliminary review		
Fort Borst Park Unocol Service Station No. 4722	6436724	LUST Facility
China Creek Bridge Area Centralia STP (and Old Landfill) Texaco # 631570018	13967986	LUST Facility
Salzer Flats Unidentified Fuel Pump at 1300 Kresky Ave		NA

Salzer Creek Bridge Area

No listed Ecology sites identified

Golf Course

Site passes preliminary review

Chehalis-Centralia Airport

Chehalis Airport	1165	Cleanup Site
Chehalis Airport	13278945	LUST Facility

Dillenbaugh Creek

Site passed preliminary review

Coal Creek Triangle Industrial Park

Kresky & National	3636227	LUST Facility
Blakely & Hout, Inc	17622528	LUST Facility

References

Management Plan Limited Preliminary Assessment/Site Investigation, Centralia Flood Damage Reduction Project, Lewis County, Washington. Prepared by Hart Crowser for the U.S. Army Corps of Engineers. March 29, 2002.

Final Report Limited Preliminary Assessment/Site Investigation, Centralia Flood Damage Reduction Project, Lewis County, Washington. Prepared by Hart Crowser for the U.S. Army Corps of Engineers. June 14, 2002

Site Location Map

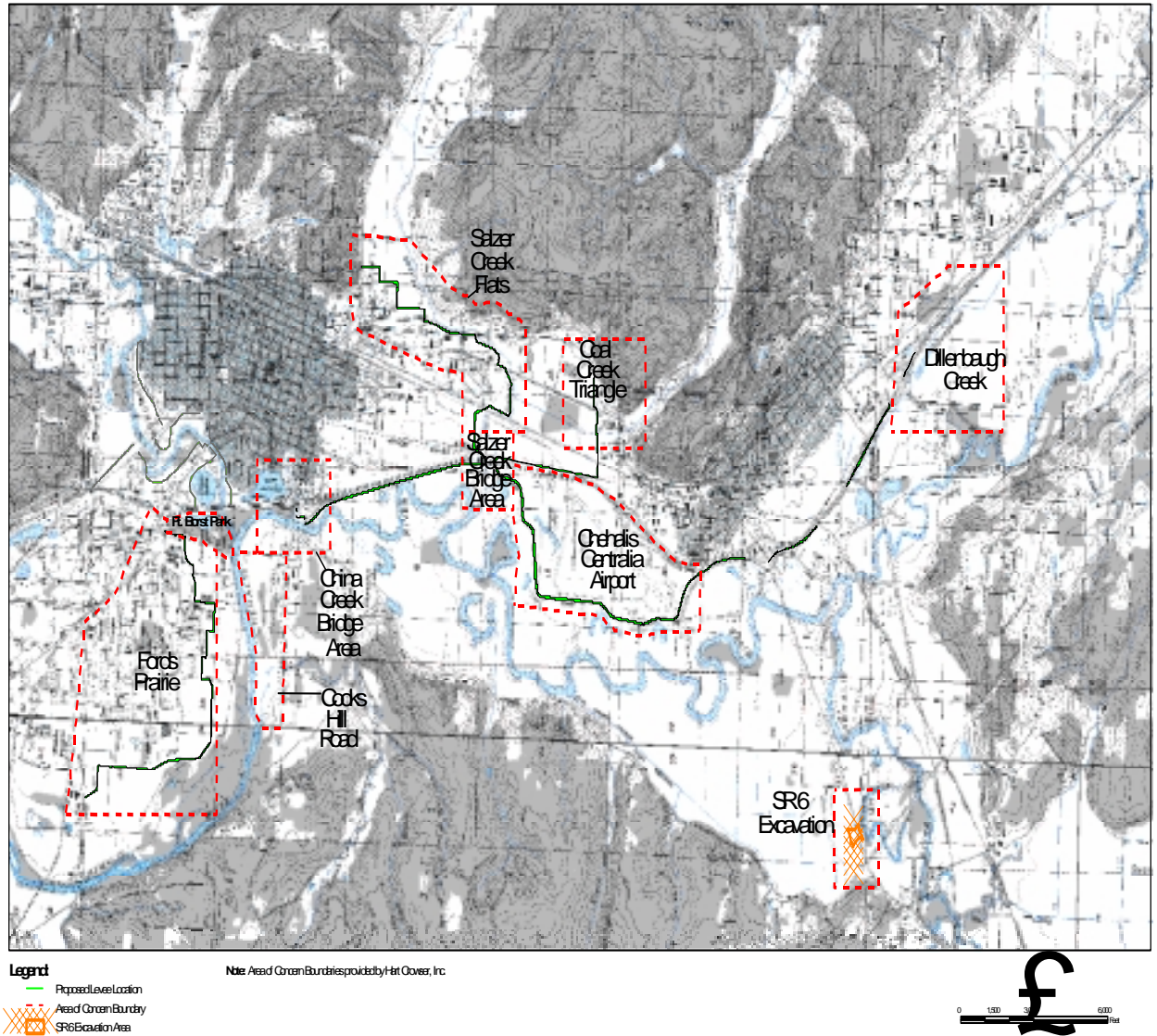


Figure 3.1 1

**WASHINGTON STATE HAZARDOUS MATERIALS AND WASTE SITE LIST
for the Preferred Alternative**

Ecology ID	Site Name	Site Type
75391213	1259 Koontz Rd Drug Lab	Hazardous Waste Generator
25252539	3934 Jackson Hwy	UST Facility
15238758	7 Eleven Store 17224	Tier Two
84195331	7 Eleven Store 19071	Tier Two
96829392	Ace International Inc Ex Menasha	Tier Two
51693595	Ace International Inc Gold	Tier Two
14387457	Adna Drug Lab	Hazardous Waste Generator
55615446	Adna Grocery	LUST Facility
39992311	Air Products & Chemicals Inc Chehalis	Tier Two
39636625	Airport Depot	UST Facility
68247216	Albert P Ulrich	UST Facility
208	American Crossarm & Conduit	Superfund Cleanup Site
43754785	American Crossarm & Conduit Co	UST Facility
10759868	American Pacific Industries	Hazardous Waste Generator
59292584	Amerigas Chehalis	Tier Two
18927832	Anderson Construction	LUST Facility
84653941	Anne J Brown dba Brown Mortuary Svc	LUST Facility
64471517	Apex Grocery II	LUST Facility
58391279	Aratex Services Inc Centralia	LUST Facility
74941111	ARCO 4371	UST Facility
97679498	ARCO 5923	LUST Facility
16317171	ARCO 6184	UST Facility
2955213	Aristocratic Cabinets Inc	UST Facility
49366643	Aristocratic Cabinets Inc. Chehalis	Hazardous Waste Generator
38788249	AT&T Bucoda WA5090 CENLWAR0010	Tier Two
1433387	Auto Connection	Hazardous Waste Generator
88238499	Autopaint & Industrial Supply Centralia	Hazardous Waste Generator
36281644	B & T Industrial Supply Co Inc	UST Facility
44783435	Bedder Bunk Co Inc Chehalis	Toxics Release Inventory
7391498	Benny's Florist	UST Facility
42978765	Beth Robinson Property	Hazardous Waste Generator
9694973	Better Weigh Mfg	Hazardous Waste Generator
69748576	Bi Right Motors	UST Facility
4657118	Big Hanaford Shop Area 1	LUST Facility
82117743	Birdwell Motors Inc	UST Facility
17622528	Blakely & Hout Inc	UST Facility
42649981	Blazer Construction	UST Facility
1458552	Bob's Corner Market	UST Facility
68931975	Boistfort School District 234	UST Facility
261456	Boistfort Store	UST Facility
6436724	Borst Park BP	LUST Facility
35835331	Bozarth Sales Inc Division of West COA	UST Facility
1174	BP Service Station	State Cleanup Site
49681228	Bradley Enterprises Inc	Hazardous Waste Generator

41544741	Brian Gilmon	UST Facility
1181	Bruce's Truck Stop	Voluntary Cleanup Site
53725854	Bucoda Hwy Drum	Hazardous Waste Generator
29751583	Bulldog Trailers	Hazardous Waste Generator
1173	Bunker Creek Milepost 7.7	State Cleanup Site
79484893	Bunker Shop Area 2	UST Facility
74312393	C & D Propane Centralia	Tier Two
18123972	Campbell Chrysler Dodge Jeep Inc.	Hazardous Waste Generator
43884416	Carrolls Printing	Hazardous Waste Generator
47434998	Casade Loggers Supply Inc	LUST Facility
844511787	Cascade Coatings dba Weiss Cascade	Hazardous Waste Generator
39118225	Cascade Hardwood	UST Facility
24541718	Cascade Hauling & Construction	UST Facility
78189933	Cascade Modular Homes	UST Facility
17677876	CC Centralia College	UST Facility
51268928	Cenex Chehalis	Hazardous Waste Generator
55674221	Cenex Harvest States Chehalis	LUST Facility
32613318	Cenex Supply & Marketing Inc	LUST Facility
27954273	Central Ready Mix	UST Facility
55524782	Central Reddi Mix Inc. Centralia	Hazardous Waste Generator
5618299	Central Reddi Mix UST 101206	UST Facility
93853754	Centralia City	Hazardous Waste Generator
54841391	Centralia City Fire Dept	LUST Facility
95194281	Centralia City Light Department	LUST Facility
32913378	Centralia College	Hazardous Waste Generator
57665767	Centralia Daily Chronicle	Hazardous Waste Generator
86793832	Centralia Holding Corp dba John H Harlan	Hazardous Waste Generator
32534936	Centralia Junior High	UST Facility
35656659	Centralia Landfill	Hazardous Waste Generator
1187479	Centralia Market Square	LUST Facility
55942474	Centralia Mining Company	Hazardous Waste Generator
94918842	Centralia Monument	UST Facility
1154	Centralia Municipal Landfill	Superfund Cleanup Site
51864166	Centralia Parks & Recreation	UST Facility
71954511	Centralia School District	UST Facility
83531682	Centralia School District 401	UST Facility
72841446	Centralia School District 401Maintenance	UST Facility
46998487	Centralia Shell	UST Facility
33319497	Centralia SOC 070832	UST Facility
94772166	Centralia Steam Plant	LUST Facility
88758745	Centralia STP	UST Facility
7629299	Centralia Street Shop	UST Facility
92815766	Centralia WA Line Seg 52	UST Facility
7457884	Centurytel Curtis	Tier Two
57528478	Charlie Ward	LUST Facility
1165	Chehalis Airport	State Cleanup Site
51349478	Chehalis Brick & Storage	UST Facility

6878779	Chehalis Cardlock	UST Facility
13278945	Chehalis Centralia Airport Board	LUST Facility
59936918	Chehalis City Community Services	Hazardous Waste Generator
79664184	Chehalis City Intake	Tier Two
15878277	Chehalis City Public Works	UST Facility
85416216	Chehalis Co 070060	UST Facility
44212413	Chehalis Community Services	LUST Facility
54822645	Chehalis Police Dept	Hazardous Waste Generator
67611714	Chehalis School Dist 302 Olympic School	Hazardous Waste Generator
77189272	Chehalis School District	Hazardous Waste Generator
73187952	Chehalis School District 302	LUST Facility
64694164	Chehalis Shell	Voluntary Cleanup Site
95989695	Chehalis Shell Truck Stop	LUST Facility
87849329	Chehalis STP	Hazardous Waste Generator
14145163	Chehalis Substation	LUST Facility
95668756	Chehalis WTP	Tier Two
54295862	Chevron 93124	LUST Facility
17551864	Chevron 96942	Voluntary Cleanup Site
9558765	Chevron USA Inc. SS 96743	LUST Facility
45377781	Circle Rentals Inc	UST Facility
52194591	Cispus Learning Center	Hazardous Waste Generator
23982425	City Hall UST 6697	UST Facility
55172369	Coal Creek Site	LUST Facility
82362238	Coast Millwork	Hazardous Waste Generator
42123551	Coburn Auto Parts	LUST Facility
78292865	Columbia Harbor Lumber	UST Facility
85236989	Columbia Harbor Lumber Co	Hazardous Waste Generator
74959386	Conrad Industries	Hazardous Waste Generator
96441174	Conrad Moving & Storage	UST Facility
94628852	Crescent Ave Drug Lab	Hazardous Waste Generator
97313211	Crescent Gas Station Grocery Store	UST Facility
1177	Cummings Oil	State Cleanup Site
24287712	Cummins Northwest Inc	Hazardous Waste Generator
61299173	Curtis General Store	UST Facility
17959157	Curtis Sort Yard	UST Facility
88424878	CW Nielsen Manufacturing Corp.	Hazardous Waste Generator
24915149	Darigold Feed Mill	UST Facility
28466988	Darigold Inc. Chehalis	UST Facility
77889162	Darrell Price	UST Facility
18468817	Dave's Econo Wash & Drycleaners	Hazardous Waste Generator
65822191	David L Williams	Hazardous Waste Generator
11559334	Daytona West	UST Facility
1167	Degoede Bulb Farm Inc.	State Cleanup Site
5897112	Delores M Larson	UST Facility
83676636	Douglas County Forest Product Agnew	Hazardous Waste Generator
23134466	Downeys Subaru	LUST Facility

4949613	Dr Zigs Radiator Shop	UST Facility
51251146	Dulin Construction Inc	UST Facility
11983964	Edison Elementary	UST Facility
19953142	Elmer Cook Trucking Inc	UST Facility
56495136	Environmental Trans Svcs Inc	Hazardous Waste Generator
67332289	EPA M Constructors Inc	Hazardous Waste Generator
1171	Extine Petroleum	State Cleanup Site
77725721	Fairway Beverage Mart	UST Facility
63722174	Ferrellgas Chehalis	Tier Two
64768984	Firestone Store	UST Facility
93476339	Flinstone Fuel 2	UST Facility
21581514	Foseco Inc.	Hazardous Waste Generator
92739346	Fred B Moe Logging Co	UST Facility
17843758	French Cleaners Chehalis	Hazardous Waste Generator
15579632	Frey Property	LUST Facility
209	FUDS Naselle AFS	State Cleanup Site
59728755	Fuller Auto	UST Facility
27276227	Galvin School	UST Facility
5343293	Gary Holgate	LUST Facility
44486527	Get N Go Mart	UST Facility
83676636	Gold Beach Investment Properties Inc.	Hazardous Waste Generator
51616242	Gootee Chevrolet Pontiac Buick	Hazardous Waste Generator
1161	Grange Supply Chehalis Cenex	State Cleanup Site
17473	Hamilton Labree Rd PCE	Superfund Cleanup Site
22972445	Hamilton Labree Roads PCE Site	Hazardous Waste Generator
28669269	Hamilton Meadows	UST Facility
11922429	Hamilton Spray	UST Facility
27987165	Hamilton Trucking Inc Napavine	UST Facility
27355	Hardel Mutual Plywood Corp Chehalis	LUST Facility
63264888	Harold Lemay Enterprises Inc. Centralia	UST Facility
7152368	Harold's Petroleum Equipment	UST Facility
74198969	Harrison Ave Shell Mart	UST Facility
19928821	Haywire Road Drum	Hazardous Waste Generator
64335134	Herb Bode Inc UST 9165	UST Facility
68167328	Herb Bode Inc UST 9167	UST Facility
61797592	Highway 6 Chevron	UST Facility
74143539	Hillcrest 1380	UST Facility
7435285	I-5 Foodmart	Voluntary Cleanup Site
75488559	ICI Explosives USA Inc Centralia	Tier Two
25332919	Industrial Specialties	LUST Facility
13571948	Inland Market	UST Facility
8347973	Interchecks Inc UST 3110	UST Facility
97631448	Interstate Chevron Food Mart	UST Facility
89818514	IP Callison & Son	LUST Facility
21715236	J&L Auto Body Repair	Hazardous Waste Generator
85152913	Jackaway Drug Lab	Hazardous Waste Generator

43238157	Jackpot Food Mart 381	UST Facility
95882163	Jackpot Food Mart 383	LUST Facility
3234977	Jackpot Station 379	LUST Facility
6184334	Jackpot Station 385	LUST Facility
93874971	JC O Connor Construction Inc	UST Facility
89792496	Jefferson Lincoln Elementary	UST Facility
3638734	JNL Autobody & Repair	Hazardous Waste Generator
57144946	Joan D Guenther	UST Facility
86793832	John H. Harlan	Hazardous Waste Generator
1180	John H. Harland Company	Voluntary Cleanup Site
1172	K Mart	Voluntary Cleanup Site
46596615	Kaijas Inc	LUST Facility
49314784	Kelly's Body Shop	Hazardous Waste Generator
21786936	King Solomons Restaurant	UST Facility
12936452	Kits Cameras 982	Hazardous Waste Generator
14253896	Kiwanis Vocational Homes for Youth	UST Facility
36379963	Klein Bicycles Corp.	Hazardous Waste Generator
22163391	Kresky Auto Repair & Electric Inc	UST Facility
3636227	Kreskey & National	LUST Facility
97595367	Kuehner & Wallace	UST Facility
52669121	Kwik Korner Mart	LUST Facility
49812755	Kyong Ki Chong	UST Facility
23795883	L&E Bottling Co Inc Chehalis	UST Facility
13796544	Lakeside Industries Centralia	Hazardous Waste Generator
699336	Lakeside Industries UST 6861	UST Facility
72712675	Lakeview Auto & Equipment Repair	Hazardous Waste Generator
10689847	Land O Lakes Feed Mill	Toxics Release Inventory
92619756	Langford Machine Wks Inc	Hazardous Waste Generator
57847147	Lewis County Car Pool	LUST Facility
55886223	Lewis County Central Shop	State Cleanup Site
92756561	Lewis County Central Transfer Station	Hazardous Waste Generator
84673392	Lewis County Distributors Inc	UST Facility
43511574	Lewis County Fire Dist 5 Station 1	UST Facility
71449297	Lewis County Fire Dist 5 Station 3	UST Facility
98895788	Lewis County Fire District 12 Centralia	UST Facility
1342693	Lewis County Jail	UST Facility
72264785	Lewis County Juvenile	UST Facility
55175225	Lewis County Mental Health	UST Facility
13288493	Lewis County Office	LUST Facility
73845259	Lewis County Parks Maintenance Shop	UST Facility
48451972	Lewis County Sheriff	Hazardous Waste Generator
68742314	Lewis County Union Shop	LUST Facility
18456994	Lewis County UST 12399	LUST Facility
97749373	Lian Kenneth Residence	Hazardous Waste Generator
92342675	Lincoln Creek Lumber Co	UST Facility
85112121	Logan Special Education Center	UST Facility
59929687	M&M Transport Inc	UST Facility

72841446	Maintenance Center	UST Facility
63149499	Maple Lane School	LUST Facility
49951617	Market St Market	LUST Facility
91464632	Market St Shell	LUST Facility
9192275	Market Street Chehalis	LUST Facility
6667576	Mary's Corner Market	LUST Facility
81229816	Maureen Guido	UST Facility
44353156	Mayflower Bus Service Inc	LUST Facility
50424749	Maywood Pine Corp	Hazardous Waste Generator
83451612	MCI Worldcom Chehalis	Tier Two
25554211	McKee Radiator Service	Hazardous Waste Generator
54393765	McKinnell Tractor Co	LUST Facility
34425138	McPaul Machine Works Inc	UST Facility
6865267	Menasha Corp Hydromulch Plant	Tier Two
82258487	Midway Meats Co	UST Facility
78284911	Mike R Mittge	UST Facility
1302	Mineral Lake	State Cleanup Site
58139141	Minks Country Market	UST Facility
74896264	Miracle Mile Auto Body	Hazardous Waste Generator
25954	Mobil Station 99 491	LUST Facility
43612532	Moduline Industries	Hazardous Waste Generator
91857919	Moduline International Inc	LUST Facility
1163	Morries Garage	State Cleanup Site
69859371	Mos Mini Mart	UST Facility
58964881	Napavine Drug Lab	Hazardous Waste Generator
16127782	Napavine Drug Lab 0189	Hazardous Waste Generator
43722518	Napavine Drug Lab 2	Hazardous Waste Generator
97493141	Napavine Drum	Hazardous Waste Generator
83659943	Napavine School District	UST Facility
16997539	Napavine School District 14	Voluntary Cleanup Site
11511688	National Frozen Foods Corp. Chehalis	UST Facility
1182	NC Machinery Chehalis	Voluntary Cleanup Site
63822455	Nor Pac Mechanical Svcs Inc	Hazardous Waste Generator
18659861	North Fork Farm	Hazardous Waste Generator
96248373	Northwest Pipeline Corp Chehalis	Hazardous Waste Generator
97131961	Northwest Deli Mart 17	LUST Facility
83483826	Northwest Energetic SVS Chehalis	Tier Two
1155	Northwest Hardwoods Inc Fill	State Cleanup Site
63717856	Northwest Pipeline Corp Chehalis	Hazardous Waste Generator
98622742	Northwest Pipeline Corp Chehalis	Hazardous Waste Generator
93825228	Northwest Pipeline Corp Chehalis	UST Facility
96248373	Northwest Pipeline Corp. Chehalis	Hazardous Waste Generator
42591936	Northwest Pipeline Jackson PR	Hazardous Waste Generator
90964141	NW Pipeline Corp	Tier Two
33325151	Old Bearings Inc	UST Facility
16631965	Old Chevron	UST Facility
66967357	Old Grader Shop	LUST Facility

27917465	Opelt Road Drug Lab	Hazardous Waste Generator
8736	Pacific North Equipment Company	Voluntary Cleanup Site
1179	Pacific Pride Tiger Town	Voluntary Cleanup Site
1156	Packwood Lumber Company	State Cleanup Site
25892517	Perry Brothers Inc	UST Facility
65437538	Peterson Distributing Company	UST Facility
39584886	Pioneer West	UST Facility
89426776	Pozzolanic Northwest Inc Centralia	UST Facility
34254664	PPG Industries Inc Chehalis	Hazardous Waste Generator
52768442	Precision Laboratory Plastics Inc.	Hazardous Waste Generator
76334979	Providence Centralia Hospital	UST Facility
33637331	Providence Centralia Hospital Centralia	UST Facility
48774147	PSE Chehalis Property	Hazardous Waste Generator
26718276	PSE Jackson Prairie	UST Facility
63233268	PUD No 1 of Lewis County UST 6704	UST Facility
75634978	Puget Sound Reload UST 3533	UST Facility
31446544	Qualex Inc.	Voluntary Cleanup Site
31322271	Quali Cast Inc.Division of Atlas Foundry	UST Facility
75852253	QWEST Centralia Co.	UST Facility
99131648	QWEST Chehalis Co.	Hazardous Waste Generator
11411147	Qwest Communications Co Centralia	Tier Two
34486189	Qwest Communications Co Napavine	Tier Two
77975549	Qwest Corp W00832	Hazardous Waste Generator
22529455	Rail Car Washington Inc.	Hazardous Waste Generator
6629839	Rainier Nissan Mazda Centralia	UST Facility
92127527	Rapid Lube & Car Wash	LUST Facility
45998985	RCJ Construction	Hazardous Waste Generator
39584886	RD Schnatterly Inc DBA Pioneer West	UST Facility
1168	REA Construction	State Cleanup Site
62917955	Reliable Enterprises	UST Facility
56646196	Reliance Food Center Inc	LUST Facility
19897698	Riegers Poultry Farm	Hazardous Waste Generator
56336365	Rite Aid Chehalis	Voluntary Cleanup Site
6625224	Riverside Country Club	UST Facility
63656424	Riverside Motel	UST Facility
82453861	Riverside Pump Station	UST Facility
16699465	Robert E Thompson	LUST Facility
83915953	Rogers Machinery Co Inc UST 11449	UST Facility
1158	Ross Electric Logan Hill	State Cleanup Site
1157	Ross Electric of WA Coal Creek	State Cleanup Site
62871853	Rush Road Travel Center	UST Facility
19428617	Saint Mary's Center	Voluntary Cleanup Site
277797441	Salzer Valley Mobile Home	Hazardous Waste Generator
25174646	San Juan Arms	Hazardous Waste Generator
13494413	SC Breen Construction	Hazardous Waste Generator
66117237	Sears Unit 8259	UST Facility

86641386	Sherwood Forest Farms	UST Facility
35787618	Showcase Kitchens	Hazardous Waste Generator
12859546	Sorenson Transport Company, Inc.	Hazardous Waste Generator
56682757	South Branch Trucking Inc	UST Facility
68681646	Specialty Stainless Aluminum Inc. SWR	Hazardous Waste Generator
56543135	Spencer Drug Lab	Hazardous Waste Generator
34118469	Sprint Communications Co Bucoda	Tier Two
48924836	Sprint Communications Co Napavine	Tier Two
31275225	State Ave Auto Muffler	Hazardous Waste Generator
47829194	State Street Texaco	LUST Facility
25786599	Station 2 UST 5600	UST Facility
63121772	Storage Garage	UST Facility
69379962	Styger Dairy	UST Facility
93968336	Suburban Propane Centralia	Tier Two
19437226	Summit Road Drum Site	Hazardous Waste Generator
77567317	Superior Muffler Parkway Enterp	UST Facility
61597985	Superior Refuse	LUST Facility
88436558	Symons Frozen Foods	UST Facility
25117314	Symons Frozen Foods Inc F St	Tier Two
46229887	Symons Frozen Foods Inc Goodrich Rd	Tier Two
65852283	Symons Frozen Foods Inc Harrison	Tier Two
73695941	Tacoma Public Utilities Mayfield Dam	Hazardous Waste Generator
82582378	Tauscher Auto Body	Hazardous Waste Generator
47829194	Texaco 631570020	Hazardous Waste Generator
87285554	Texaco 638021033	LUST Facility
13967986	Texaco Station 631570018	LUST Facility
9968638	The Pryor Giggey Company	Toxics Release Inventory
13169666	Tilley Road Drug Lab	Hazardous Waste Generator
38712389	Tim L Edmonds Edmonds & Sons Construction	UST Facility
35811462	Time Oil Co Jackpot Food Mart Market Blvd	Tier Two
15638245	Tires Inc UST 9294	UST Facility
91259769	Toads Auto Machine	Hazardous Waste Generator
92127387	Torgerson 4x4	Hazardous Waste Generator
95958777	Tosco Refining & Marketing Co	UST Facility
68317868	Tower Site at Crego Hill	UST Facility
71318893	Town Fire Hall	UST Facility
1169	Trailer Village	State Cleanup Site
62844551	TransAlta Centralia Generation LLC	Hazardous Waste Generator
55942474	TransAlta Centralia Mining LLC	UST Facility
58648172	Transmissions Unlimited	Hazardous Waste Generator
1178	TriCounty Truck & Diesel	Voluntary Cleanup Site
65893547	Twin City Auto Sound	UST Facility
43666519	Twin City Collision Center Inc.	Hazardous Waste Generator
67481524	Twin City Detailing	UST Facility
42223662	Uhlmann Motors Inc.	UST Facility

57615868	Union Pacific Railroad UST 492562	UST Facility
17314359	United States Bakery UST 5525	UST Facility
69351262	Universal Building	Hazardous Waste Generator
99386131	Unocal SS 4722	UST Facility
12479761	UPS Chehalis	UST Facility
42235528	US DA FHA Paul M Drew Farm	Hazardous Waste Generator
5574242	US EPA Berry Rd	Hazardous Waste Generator
46162731	USDA FS GPNF Cowlitz Valley RS	Hazardous Waste Generator
42632278	USDA FS GPNF Pkwd Work Center	Hazardous Waste Generator
5812346	USDA FS GPNF Skate Creek Wrk Ctr	Hazardous Waste Generator
64648972	USDOE BPA Chehalis Substation	Hazardous Waste Generator
62842139	Used Tire Warehouse	UST Facility
75852253	USWCOM Centralia Co	UST Facility
99131648	USWCOM Chehalis Co	Hazardous Waste Generator
41735771	USWCOM Curtis Co	Hazardous Waste Generator
74587269	USWCOM Napavine Co	Hazardous Waste Generator
94882139	USWCOM Napavine N Rptr Bldg	Hazardous Waste Generator
65583396	W B Graham & Sons	UST Facility
9656555	WA AGR Lewis 2	Hazardous Waste Generator
1162	WA Army National Guard Shop # 4	State Cleanup Site
12828953	WA DA Lewis 1	UST Facility
89465849	WA DNR Central Reg	Hazardous Waste Generator
44481543	WA DOT Chehalis	UST Facility
54961275	WA DOT Chehalis	UST Facility
16597985	WA DOT Chehalis Maintenance Facility	Hazardous Waste Generator
32584272	WA DOT Pit L114	Hazardous Waste Generator
74997943	WA DOT UST 6683	LUST Facility
11754555	WA DOT Zeller Property	LUST Facility
81172854	WA DSHS Green Hill School JRA	LUST Facility
16516934	WA NG ORG Maintenance Shop 4	Tier Two
24788926	WA Parks Rainbow Falls State Park	LUST Facility
65762992	WA State Patrol BAW FAW	UST Facility
66618185	Wal Mart 2249	Hazardous Waste Generator
51418693	Walker Engine & Machine	UST Facility
37389283	Walsh Double Diamond Ranch	UST Facility
1729971	WAR MUR Electric	UST Facility
67792653	Ward Properties UST 8871	UST Facility
1170	Washington Junk Co	State Cleanup Site
46749339	Washington Poster	Hazardous Waste Generator
92941489	Waste Water Division Pump Station	UST Facility
8771473	West Coast Fruit & Produce Tank 2	UST Facility
74512377	West Coast Fruit & Produce UST 101379	UST Facility
57914337	West Coast Mills UST 497002	LUST Facility
87318335	West Coast Oil Co Pacific Pride	UST Facility
75662161	West Coast Oil UST 10603	LUST Facility
93652375	West Star Chehalis	Voluntary Cleanup Site
26338351	Westwood Industries Capital SA	UST Facility

31298872	Weyerhaeuser Aviation	Tier Two
44225312	Weyerhaeuser Aviation Chehalis	Tier Two
53756399	Weyerhaeuser Co Adna	Hazardous Waste Generator
8817759	Weyerhaeuser Co Chehalis	Hazardous Waste Generator
1133442	Weyerhaeuser Co Curtis Pole	Tier Two
1159	Weyerhaeuser CO Haskins Rd	State Cleanup Site
51613156	Weyerhaeuser Co Napavine	Hazardous Waste Generator
77492338	Weyerhaeuser Company UST 4776	LUST Facility
62228778	Weyerhaeuser GRSFR Research CE Centralia	Hazardous Waste Generator
37237816	WF West High School	LUST Facility
78756294	Wood Products Div Wayne Dalton Corp.	Hazardous Waste Generator
83451612	Worldcom Chehalis	Tier Two
93138745	Yard Birds	LUST Facility
79541547	Yard Birds Inc	LUST Facility

Note 1: Table includes both active and inactive sites.

Note 2: Explanation of Site Type.

- Hazardous Waste Generator: Facilities that generate regulated amounts of hazardous waste greater than 220 lbs/month.
- Tier Two: Businesses that store 10,000 pounds or more of a hazardous chemical or 500 pounds or less, depending on the chemical, of an extremely hazardous chemical (product, not waste) on site at any one time must report annually. Reports are sent to the State Emergency Response Commission (represented by Ecology), Local Emergency Planning Committees, and local fire departments for emergency planning.
- Federal (Superfund) Cleanup Site: A federal cleanup site listed in CERCLIS where Ecology has been or is currently involved with the cleanup process or has knowledge of the site from another process.
- LUST Facility: A leaking underground tank cleanup site being cleaned up with Ecology oversight or review.
- UST Facility: Underground storage tank. Includes any one or combination of tanks (including connecting underground pipes) that is used to contain regulated substances.
- State Cleanup Site: A site being cleaned up under state regulations, including Model Toxics Control Act or its predecessors.
- Voluntary Cleanup Site: A site being cleaned up by a responsible party without Ecology oversight.